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1. Document ID: US 5942222 A

Entry 1 of 30

File: USPT

Aug 24, 1999

US-PAT-NO: 5942222

DOCUMENT-IDENTIFIER: US 5942222 A

TITLE: Methods of treating granulocyte-macrophage progenitor cell-derived blood cell dysfunction

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Arlington	MA	N/A	N/A
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Sherry; Barbara	New York	NY	N/A	N/A

US-CL-CURRENT: 424/85.1; 514/12, 530/351

ABSTRACT:

The present invention relates to the identification of promoters of myelopoietic blood cell production. In particular, an agent has been discovered that enhances myelopoietic colony stimulating factor activity. The agent comprises cytokines that are also capable of binding to heparin, and inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously. Particular agents comprise the inflammatory cytokines MIP-1 and MIP-2. Diagnostic and therapeutic utilities are proposed, and pharmaceutical compositions are likewise set forth.

5 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMC	Image
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2. Document ID: US 5939391 A

Entry 2 of 30

File: USPT

Aug 17, 1999

US-PAT-NO: 5939391
DOCUMENT-IDENTIFIER: US 5939391 A

TITLE: Hemoglobin alpha chain peptide fragments useful for inhibiting stem cell proliferation

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsyrlava; Irena	Gaithersburg	MD	N/A	N/A
Walpe; Stephen D.	Rockville	MD	N/A	N/A

US-CL-CURRENT: 514/14; 530/326, 530/327, 530/385

ABSTRACT:

Disclosed and claimed are methods for the isolation and use of stem cell inhibiting factors for regulating the abnormal stem cell cycle and for accelerating the post-chemotherapy peripheral blood cell recovery. Also disclosed and claimed are the inhibitors of stem cell proliferation.

7 Claims, 28 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	EMC	Image
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3. Document ID: US 5863535 A

Entry 3 of 30

File: USPT

Jan 26, 1999

US-PAT-NO: 5863535

DOCUMENT-IDENTIFIER: US 5863535 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1.alpha. and MIP-1.beta.)

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	New York	NY	N/A	N/A

US-CL-CURRENT: 424/130.1; 424/85.1, 530/350, 530/351

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited

materials in kit form and pharmaceutical compositions are likewise disclosed.

14 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	EMC	Image
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4. Document ID: US 5861483 A

Entry 4 of 30

File: USPT

Jan 19, 1999

US-PAT-NO: 5861483

DOCUMENT-IDENTIFIER: US 5861483 A

TITLE: Inhibitor of stem cell proliferation and uses thereof

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Rockville	MD	N/A	N/A

US-CL-CURRENT: 530/385; 435/69.1, 530/350, 530/380

ABSTRACT:

The present invention provides polypeptides and compositions containing same which include a hemoglobin alpha chain wherein the C-terminal hydrophobic domain has been modified.

15 Claims, 31 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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5. Document ID: US 5817763 A

Entry 5 of 30

File: USPT

Oct 6, 1998

US-PAT-NO: 5817763

DOCUMENT-IDENTIFIER: US 5817763 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1.alpha. and MIP-1.beta.)

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Tarrytown	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	Germantown	MD	N/A	N/A

US-CL-CURRENT: 530/351; 424/85.1, 424/85.2

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and

15 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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6. Document ID: US 5849873 A

US-PAT-NO: 5849873

DOCUMENT-IDENTIFIER: US 5849873 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1 .alpha. and MIP-1 .beta.)

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	New York	NY	N/A	N/A

US-CL-CURRENT: 530/351; 424/85.1

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1.alpha. and MIP-1.beta. for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

9 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Image
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7. Document ID: US 5760186 A

Entry 7 of 30

File: USPT

Jun 2, 1998

US-PAT-NO: 5760186
DOCUMENT-IDENTIFIER: US 5760186 A

TITLE: Antibody to macrophage-derived inflammatory mediator (MIP-1.alpha. and MIP-1.beta.)

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	New York	NY	N/A	N/A

US-CL-CURRENT: 530/387.9; 530/388.23, 530/388.85, 530/389.2, 530/391.1, 530/391.3, 530/391.7

ABSTRACT:

Antibodies to an inflammatory cytokine are disclosed. The inflammatory cytokine has been isolated from cells that have been incubated with a stimulator material and comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1.alpha. and MIP-1.beta. for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

15 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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8. Document ID: US 5741484 A

Entry 8 of 30

File: USPT

Apr 21, 1998

US-PAT-NO: 5741484
DOCUMENT-IDENTIFIER: US 5741484 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1.alpha. and MIP-1.beta.)

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	New York	NY	N/A	N/A

US-CL-CURRENT: 424/85.1; 514/12, 514/2, 514/21, 530/324, 530/351

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1.alpha. and MIP-1.beta. for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

9 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INDEX	Image
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9. Document ID: US 5717074 A

Entry 9 of 30

File: USPT

Feb 10, 1998

US-PAT-NO: 5717074
DOCUMENT-IDENTIFIER: US 5717074 A

TITLE: Macrophage-derived inflammatory mediator (MIP-2)

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Welpe; Stephen D.	Arlington	MA	N/A	N/A
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Sherry; Barbara	New York	NY	N/A	N/A

US-CL-CURRENT: 530/388.23; 435/331, 435/335, 435/7.24, 530/387.9, 530/389.2, 530/391.3

ABSTRACT:

An antibody to an inflammatory cytokine is disclosed. The inflammatory cytokine has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and having potent in vitro chemotactic activity while inducing little or no in vitro chemokinesis in polymorphonuclear cells, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine has been isolated and its cDNA has been sequenced. The sequence predicts a cDNA of 74 amino acids in length and a molecular weight of 7,908. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form, recombinant materials and procedures, and pharmaceutical compositions comprising an antibody to the cytokine are likewise set forth.

8 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INDEX	Image
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10. Document ID: US 5703206 A

Entry 10 of 30

File: USPT

Dec 30, 1997

US-PAT-NO: 5703206
DOCUMENT-IDENTIFIER: US 5703206 A

TITLE: Macrophage inflammatory protein 2 (MIP-2)

DATE-ISSUED: December 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Arlington	MA	02174	N/A
Cerami; Anthony	Shelter Island	NY	11964	N/A
Sherry; Barbara	New York	NY	10021	N/A

US-CL-CURRENT: 530/324; 424/85.1, 435/252.3, 435/69.5, 435/70.3, 536/23.5

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and having potent in vitro chemotactic activity while inducing little or no in vitro chemokinesis in polymorphonuclear cells, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine has been isolated and its cDNA has been sequenced. The sequence predicts a protein cDNA of 73 amino acids in length and a molecular weight of 7,851. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form, recombinant materials and procedures, and pharmaceutical compositions are likewise set forth.

12 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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11. Document ID: US 5700466 A

Entry 11 of 30

File: USPT

Dec 23, 1997

US-PAT-NO: 5700466
DOCUMENT-IDENTIFIER: US 5700466 A

TITLE: Method of ameliorating or preventing septic shock using a monoclonal antibody specific to cachectin/tumor necrosis factor

DATE ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Arlington	MA	N/A	N/A
Cerami; Anthony	Shelter Island	NY	N/A	N/A

US-CL-CURRENT: 424/145.1, 424/130.1, 424/141.1, 424/150.1, 424/158.1, 530/387.1, 530/388.1, 530/388.2, 530/388.23, 530/388.4

... and spleen cells from a mouse previously immunized with cachectin/TNF. Diagnostic and therapeutic utilities for the monoclonal antibodies and their derivatives are proposed, and testing procedures, materials in kit form and pharmaceutical

12. Document ID: US 5698419 A

Entry 12 of 30

File: USPT

Dec 16, 1997

US-PAT-NO: 5698419

DOCUMENT-IDENTIFIER: US 5698419 A

TITLE: Monoclonal antibodies to cachectin/tumor necrosis factor and methods for preparing same

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Arlington	MA	N/A	N/A
Cerami; Anthony	Shelter Island	NY	N/A	N/A

US-CL-CURRENT: 435/70.21; 435/326, 435/335, 435/340, 435/346, 530/387.1, 530/388.23, 530/388.4

ABSTRACT:

The present invention pertains to the novel hybridoma SDW18.1.1, hybridomas obtained from SDW18.1.1, monoclonal antibodies obtained from such hybridomas and derivatives of such monoclonal antibodies. The novel hybridomas are formed by fusion of cells from a mouse myeloma line and spleen cells from a mouse previously immunized with cachectin/TNF.

Diagnostic and therapeutic utilities for the monoclonal antibodies and their derivatives are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

14 Claims, 0 Drawing figures

Exemplary Claim Number: 1

13. Document ID: US 5650147 A

Entry 13 of 30

File: USPT

Jul 22, 1997

US-PAT-NO: 5650147

DOCUMENT-IDENTIFIER: US 5650147 A

TITLE: Methods of stimulating granulocyte-macrophage progenitor cells

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpe; Stephen D.	Arlington	MA	N/A	N/A
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Sherry; Barbara	New York	NY	N/A	N/A

US-CL-CURRENT: 424/85.1

ABSTRACT:

The present invention pertains to the novel cytokines MIP-1 and MIP-1 α . Diagnostic and therapeutic utilities for the cytokines are proposed, and pharmaceutical compositions are likewise set forth.

5 Claims, 2 Drawing figures

Exemplary Claim Number: 1

14. Document ID: US 5616688 A

Entry 14 of 30

File: USPT

Apr 1, 1997

US-PAT-NO: 5616688

DOCUMENT-IDENTIFIER: US 5616688 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1.alpha. and MIP-1.beta.)

DATE-ISSUED: April 1, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cerami; Anthony	Shelter Island	NY	N/A	N/A
Beutler; Bruce	Dallas	TX	N/A	N/A
Wolpe; Stephen D.	New York	NY	N/A	N/A

US-CL-CURRENT: 530/351; 435/7.1, 435/7.24, 530/350

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1.alpha. and MIP-1.beta. for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

15 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOC	Image
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15. Document ID: JP 10185899 A

Entry 15 of 30

File: JPAB

Jul 14, 1998

PUB-NO: JP410185899A
DOCUMENT-IDENTIFIER: JP 10185899 A
TITLE: TESTING METHOD FOR ABILITY OF CHEMICAL WHICH STIMULATES DEVELOPMENT AND/OR
ACTIVITY OF INFLAMMATORY CYTOKINE

PUBN-DATE: July 14, 1998

INVENTOR-INFORMATION:

NAME

CERAMI, ANTHONY

BEUTLER, BRUCE

WCLPE, STEPHEN D

INT-CL (IPC): G01 N 33/15; A61 K 38/00; C12 N 5/10; C12 N 5/06; C12 N 15/09; C12 P 21/02;
C12 P 21/02; G01 N 33/53

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an inflammatory cytokine in purified form partially showing characteristics and actions related to host responses to invading stimuli into mammals.

SOLUTION: In this testing method, the ability of a chemical, which stimulates the development and/or activity of inflammatory cytokine rendered capable of bonding with heparin, inducing local bulges characterized by polymorphonuclear cellular infiltration at the time of hypodermic administration, and inducing the acceleration of polymorphonuclear cellular function on one hand, and rendered incapable of suppressing the activity of assimilatory amylase lipoprotein lipase, developing the cytotoxicity of cachecticorum/TNF reactive cells, stimulating the spore reproduction of intracellular enzyme-resistive C3H /HeJ thymocytes, or developing cachecticorum/TNF by primary thioglycolate administered mouse macrophage on the other.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	MMMC	Image
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16. Document ID: US 5760186 A

Entry 16 of 30

File: EPAB

Jun 2, 1998

PUB-NO: US005760186A
DOCUMENT-IDENTIFIER: US 5760186 A
TITLE: Antibody to macrophage-derived inflammatory mediator (MIP-1 alpha and MIP-1 beta)
PUBN-DATE: June 2, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
CERAMI, ANTHONY	US
BEUTLER, BRUCE	US
WOLPE, STEPHEN D	US

INT-CL (IPC): C07 K 16/24

ABSTRACT:

Antibodies to an inflammatory cytokine are disclosed. The inflammatory cytokine has been isolated from cells that have been incubated with a stimulator material and comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1 alpha and MIP-1 beta for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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17. Document ID: WO 9736922 A1

Entry 17 of 30

File: EPAB

Oct 9, 1997

PUB-NO: WO009736922A1
DOCUMENT-IDENTIFIER: WO 9736922 A1
TITLE: INHIBITOR AND STIMULATOR OF STEM CELL PROLIFERATION AND USES THEREOF
PUBN-DATE: October 9, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
WOLPE, STEPHEN D	N/A
TSYRLOVA, IRENA	N/A

INT-CL (IPC): C07 K 14/00; A61 K 38/19

EUR-CL (EPC): C07K014/475 ; C07K014/52 , C07K014/805

ABSTRACT:

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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18. Document ID: US 5741484 A

Entry 18 of 30

File: EPAB

Apr 11, 1997

PUB-NO: US005741484A
DOCUMENT-IDENTIFIER: US 5741484 A
TITLE: Macrophage-derived inflammatory mediator (MIP-1 alpha and MIP-1 beta)
PUBN-DATE: April 21, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
CERAMI, ANTHONY	US
BEUTLER, BRUCE	US
WOLPE, STEPHEN D	US

INT-CL (IPC): A61 K 38/19; A61 K 45/05; C07 K 1/00

EUR-CL (EPC): C07K016/24 ; C07K014/52

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1 alpha and MIP-1 beta for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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19. Document ID: US 5703206 A

Entry 19 of 30

File: EPAB

Dec 30, 1997

PUB-NO: US005703206A
DOCUMENT-IDENTIFIER: US 5703206 A
TITLE: Macrophage inflammatory protein 2 (MIP-2)
PUBN-DATE: December 30, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
WOLPE, STEPHEN D	US
CERAMI, ANTHONY	US
SHERRY, BARBARA	US

INT-CL (IPC): C07 K 14/52; C12 N 15/19

ABSTRACT:

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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20 Document ID: US 5700466 A

PUB-NO: US005700466A
DOCUMENT-IDENTIFIER: US 5700466 A
TITLE: Method of ameliorating or preventing septic shock using a monoclonal antibody specific to cachectin/tumor necrosis factor
PUBN-DATE: December 23, 1997

INVENTOR-INFORMATION:

NAME COUNTRY

WOLPE, STEPHEN D US

CERAMI, ANTHONY US

INT-CL (IPC): A61 K 39/395; A61 K 39/40; A61 K 38/19; C07 K 16/24

ABSTRACT:

ABSTRACT DATA NOT AVAILABLE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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21. Document ID: US 5698419 A

Entry 21 of 30

File: EPAB

Dec 16, 1997

PUB-NO: US005698419A

DOCUMENT-IDENTIFIER: US 5698419 A

TITLE: Monoclonal antibodies to cachectin/tumor necrosis factor and methods for preparing same

PUBN-DATE: December 16, 1997

INVENTOR-INFORMATION:

NAME COUNTRY

WOLPE, STEPHEN D US

CERAMI, ANTHONY US

INT-CL (IPC): C12 P 21/08; C12 N 5/12; C07 K 16/24; C07 K 16/18

ABSTRACT:

ABSTRACT DATA NOT AVAILABLE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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22. Document ID: US 5650147 A

Entry 22 of 30

File: EPAB

Jul 22, 1997

PUB-NO: US005650147A
DOCUMENT-IDENTIFIER: US 5650147 A
TITLE: Methods of stimulating granulocyte-macrophage progenitor cells
PUBN-DATE: July 22, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
WOLPE, STEPHEN D	US
CERAMI, ANTHONY	US
SHERRY, BARBARA	US

INT-CL (IPC): A61 K 38/19

EUR-CL (EPC): A61K038/19 ; C07K016/24 , C12N005/06

ABSTRACT:

The present invention relates to the identification of promoters of myelopoietic blood cell production. In particular, an agent has been discovered that enhances myelopoietic colony stimulating factor activity. The agent comprises cytokines that are also capable of binding to heparin, and inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously. Particular agents comprise the inflammatory cytokines MIP-1 and MIP-2. Diagnostic and therapeutic utilities are proposed, and pharmaceutical compositions are likewise set forth.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Publ	Image
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23. Document ID: WO 9002762 A1

Entry 23 of 30

File: EPAB

Mar 22, 1990

PUB-NO: WO009002762A1
DOCUMENT-IDENTIFIER: WO 9002762 A1
TITLE: MACROPHAGE-DERIVED INFLAMMATORY MEDIATOR (MIP-2)
PUBN-DATE: March 22, 1990

INVENTOR-INFORMATION:

NAME	COUNTRY
WOLFE, STEPHEN D	US
CERAMI, ANTHONY	US
SHERRY, BARBARA	US
ELSON-TEKAMP, PATRICIA A	US

INT-CL (IPC): C07K 15/06; C07K 7/10; C07K 15/28; C12P 21/00; A61K 39/395; A61K 37/02 ; G01N 33/53

EUR-CL (EPC): G01N033/68 ; C07K014/52 , C07K016/24

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that

...the production of cachectin (TNF) by primary thiophylline-elicited mouse macrophage cells. A particular inflammatory cytokine has been isolated and its cDNA has been sequenced. The sequence predicts a cDNA of 34 amino acids in length and a molecular

24 Document ID: US 5616688 A

Entry 24 of 30

File: EPAB

Apr 1, 1997

PUB-NO: US005616688A

DOCUMENT-IDENTIFIER: US 5616688 A

TITLE: Macrophage-derived inflammatory mediator (MIP-1 alpha and MIP-1 beta)

PUBN-DATE: April 1, 1997

INVENTOR-INFORMATION:

NAME COUNTRY

CERAMI, ANTHONY US

BEUTLER, BRUCE US

WOLPE, STEPHEN D US

INT-CL (IPC): C07 K 1/00; C07 K 14/00; G01 N 33/53; G01 N 33/555

EUR CL (EPC): C07K016/24 ; C12N005/06 , C07K014/52

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and inducing in vitro polymorphonuclear cell chemokinesis, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine MIP-1 has been isolated and has been found to comprise a peptide doublet of similar molecular weights of about 8,000 daltons, and to show a pI of about 4.6. The doublet has been resolved into its component peptides, MIP-1 alpha and MIP-1 beta for which distinct cDNA's have been cloned and sequenced. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form and pharmaceutical compositions are likewise set forth.

25 Document ID: EP 763543 A2

Entry 25 of 30

File: EPAB

Mar 19, 1997

PUB-NO: EP000763543A2

DOCUMENT-IDENTIFIER: EP 763543 A2

TITLE: A method for preparing an inflammatory cytokine (MIP-2) and diagnostic and therapeutic applications for the cytokine or its antibody

PUBN-DATE: March 19, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
WOLPE, STEPHEN D	US
CERAMI, ANTHONY	US
SHERRY, BARBARA	US
TEKAMP-OLSON, PATRICIA A	US

INT-CL (IPC): C07 K 14/52; A61 K 38/19; A61 K 39/395; G01 N 33/53; C12 P 21/00

EUR-CL (EPC): C07K016/24 ; C12N005/06 , C07K014/52

ABSTRACT:

An inflammatory cytokine is disclosed which has been isolated from cells that have been incubated with a stimulator material. The inflammatory cytokine comprises a protein that is capable of binding to heparin, inducing localized inflammation characterized by polymorphonuclear cell infiltration when administered subcutaneously and having potent in vitro chemotactic activity while inducing little or no in vitro chemokinesis in polymorphonuclear cells, while lacking the ability to suppress the activity of the anabolic enzyme lipoprotein lipase, cause the cytotoxicity of cachectin/TNF-sensitive cells, stimulate the blastogenesis of endotoxin-resistant C3H/HeJ thymocytes, or induce the production of cachectin/TNF by primary thioglycollate-elicited mouse macrophage cells. A particular inflammatory cytokine has been isolated and its cDNA has been sequenced. The sequence predicts a cDNA of 74 amino acids in length and a molecular weight of 7,908. Diagnostic and therapeutic utilities are proposed, and testing procedures, materials in kit form, recombinant materials and procedures, and

pharmaceutical compositions are likewise set forth.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMK	Image
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1. Document ID: US 5939391 A

Entry 1 of 4

File: USPT

Aug 17, 1999

US-PAT-NO: 5939391

DOCUMENT-IDENTIFIER: US 5939391 A

TITLE: Hemoglobin alpha chain peptide fragments useful for inhibiting stem cell proliferation

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsyrova; Irena	Gaithersburg	MD	N/A	N/A
Wolpe; Stephen D.	Rockville	MD	N/A	N/A

US-CL-CURRENT: 514/14; 530/326, 530/327, 530/385

ABSTRACT:

Disclosed and claimed are methods for the isolation and use of stem cell inhibiting factors for regulating the abnormal stem cell cycle and for accelerating the post-chemotherapy peripheral blood cell recovery. Also disclosed and claimed are the inhibitors of stem cell proliferation.

7 Claims, 28 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	OWC	Image
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2. Document ID: WO 9736922 A1

Entry 2 of 4

File: EPAB

Oct 9, 1997

PUB-NO: WO009736922A1
DOCUMENT-IDENTIFIER: WO 9736922 A1
TITLE: INHIBITOR AND STIMULATOR OF STEM CELL PROLIFERATION AND USES THEREOF
PUBN-DATE: October 9, 1997

INVENTOR-INFORMATION:

NAME COUNTRY
WOLPE, STEPHEN D N/A
TSYRLOVA, IRENA N/A

INT-CL (IPC): C07 K 14/00; A61 K 38/19

EUR-CL (EPC): C07K014/475 ; C07K014/52 , C07K014/805

ABSTRACT:

Disclosed and claimed are methods for the isolation and use of stem cell modulating factors for regulating stem cell cycle and for accelerating the post-chemotherapy peripheral blood cell recovery. Also disclosed and claimed are the inhibitors and stimulators of stem cell proliferation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Image
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3. Document ID: WO 9610634 A1

Entry 3 of 4

File: EPAB

Apr 11, 1996

PUB-NO: WO009610634A1
DOCUMENT-IDENTIFIER: WO 9610634 A1
TITLE: INHIBITOR OF STEM CELL PROLIFERATION AND USES THEREOF
PUBN-DATE: April 11, 1996

INVENTOR-INFORMATION:

NAME COUNTRY
KOZLOV, VLADIMIR N/A
TSYRLOVA, IRENA N/A
WOLPE, STEPHEN D N/A

INT-CL (IPC): C12 N 15/00; C12 N 5/00; A61 K 38/00; C07 K 1/00

EUR-CL (EPC) A61K038/42 ; C07K014/475 , C07K014/52 , C07K014/805

ABSTRACT:

Disclosed and claimed are methods for the isolation and use of stem cell inhibiting factors for regulating the abnormal stem cell cycle and for accelerating the post-chemotherapy peripheral blood cell recovery. Also disclosed and claimed are the inhibitors of stem cell proliferation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Image
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PUB-NO: WO009422915A1
DOCUMENT-IDENTIFIER: WO 9422915 A1
TITLE: INHIBITOR OF STEM CELL PROLIFERATION AND USES THEREOF
PUBN-DATE: October 13, 1994

INVENTOR-INFORMATION:

NAME COUNTRY
KOZLOV, VLADIMIR RU
TSYRLOVA, IRENA US

INT-CL (IPC): C07K 15/00; C07K 3/28; C07H 21/04; A61K 37/02; A61K 39/00

EUR-CL (EPC): A61K039/39 ; C07K014/47 , C07K014/52 , C12N005/06

ABSTRACT:

Disclosed and claimed are methods for the isolation and use of stem cell inhibiting factors for regulating the abnormal stem cell cycle and for accelerating the post-chemotherapy peripheral blood cell recovery. Also disclosed and claimed are the inhibitors of stem cell proliferation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Image
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